

Electronic Filing System (EFS) Data
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| EFS ID: | 17639 |
| Application ID: | 10064980 |
| Title of Invention: | SYSTEMS AND METHODS FOR MICROELECTROMECHANICAL SYSTEM BASED FLUID EJECTION |
| First Named Inventor: | Brian HILTON |
| Domestic/Foreign Application: | Domestic Application |
| Filing Date: | null |
| Effective Receipt Date: | 2002-09-05 |
| Submission Type: | Utility Patent Filing |
| Filing Type: | new-utility |
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| Attorney Docket Number: | 112213 |
| Digital Certificate Holder: | cn=Thomas J. Pardini, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US |
| Certificate Message Digest: | H/prFLTYzZhXn0dF7pR1IA== |
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| Payment Category: | DA - Deposit Account |
| Deposit Account Number: | 240037 |
| Deposit Account Name: | Thomas J. Pardini |

TRANSMITTAL FORM

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Submission Type: Utility Patent
Filing

Attorney Docket
Number:

112213



SYSTEMS AND METHODS FOR MICROELECTROMECHANICAL SYSTEM BASED FLUID EJECTION

First Named Inventor: Brian S. HILTON

SUBMITTED BY

| | |
|--|-----------------------|
| Name: | Thomas J. Pardini |
| Registration Number: | 30,411 |
| Electronic Signature Mark: /Thomas J. Pardini | Date Signed: 20020905 |

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

| | |
|------------------|-------------------|
| declaration | 08-29-02-Dec1.tif |
| bibd-transmittal | X112213apds.xml |

fee-transmittal
specification
patent-assignments

X112213fee.xml
ob_112213.xml
X112213asgn.xml

Attached Image File(s):
08-29-02-Dec1.tif

Comments:

As a below named inventor, I hereby declare that:
My residence, post office address and citizenship are as stated below next to my name; that
I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint
inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the
invention entitled:

SYSTEMS AND METHODS FOR MICROELECTROMECHANICAL SYSTEM BASED FLUID EJECTION

described and claimed in the specification:

Check one

- *a. ☒ attached hereto.
b. ☐ filed on _____ as Application No. _____ and amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56. Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) and/or United States provisional application(s) filed by me or my legal representatives or assigns within one year prior to this application are hereby claimed:

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to this application, or (b) before the filing date of the above-named foreign priority application(s) and/or United States provisional application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

James A. Oliff, Registration No. 27,075; William P. Berridge, Registration No. 30,024; Kirk M. Hudson, Registration No. 27,562; Thomas J. Pardini, Registration No. 30,411; Edward P. Walker, Registration No. 31,450; Robert A. Miller, Registration No. 32,771; Mario A. Costantino, Registration No. 33,565; Stephen J. Roe, Registration No. 34,463; Joel S. Armstrong, Registration No. 36,430; Christopher W. Brown, Registration No. 38,025; Richard E. Rice, Registration No. 31,560; Paul Tsou, Registration No. 37,956; Mark Costello, Registration No. 31,342; Ronald F. Chapuran, Registration No. 26,402; Eugene O. Palazzo, Registration No. 20,881; Kevin R. Kepner, Registration No. 32,145; and/or Richard B. Domingo, Registration No. 36,784.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**1 Typewritten Full Name
of First or Sole Inventor**

2 **INVENTOR'S SIGNATURE:

3 ****DATE OF SIGNATURE:**

Residence:

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FEE TRANSMITTAL

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Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 780

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 24-0037
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SUBMITTED BY

Authorized Name: Thomas J. Pardini
 Electronic Signature Mark: /Thomas J. Pardini
 Date Signed: 20020905

BASIC FILING FEE

| Fee Description | Fee Code | Fee Paid |
|--------------------|----------|----------|
| Utility Filing Fee | 101 | \$ 740 |

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

| | Fee Code | Fee | Extra Claims | Fee Paid |
|-----------------------|----------|-------|--------------|----------|
| Total Claims: 20 | 103 | \$ 18 | 0 | \$ 0 |
| Independent Claims: 2 | 102 | \$ 84 | 0 | \$ 0 |

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

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| Fee Description | Number | Quantity | Fee Code | Amount | Fee Paid |
|---|----------|----------|----------|--------|----------|
| Recording Each Patent Assignment Per Property Fee | 00000000 | 1 | 581 | \$ 40 | \$ 40 |

Subtotal For Additional Fees: \$ 40